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Walter W Duft LAW OFFICES OF WALTER W. DUFT 10255 MAIN STREET SUITE 10			EXAMINER	
			CRAVER, C	HARLES R
CLARENCE, N	Y 14031		ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No. 09/480,013

Applicant(s)

Chander et al

Examiner

Charles Craver

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	The MAILING DATE of this communication appears	on the cover sheet with the correspondence address		
	for Reply	!		
THE N	ORTENED STATUTORY PERIOD FOR REPLY IS SET MAILING DATE OF THIS COMMUNICATION.			
mailing	date of this communication.	no event, however, may a reply be timely filed after SIX (6) MONTHS from the		
 If NO p Failure Any repearmed 	period for reply specified above is less than thirty (30) days, a reply within the period for reply is specified above, the maximum statutory period will apply a to reply within the set or extended period for reply will, by statute, cause the ply received by the Office later than three months after the mailing date of the patent term adjustment. See 37 CFR 1.704(b).	and will expire SIX (6) MONTHS from the mailing date of this communication. he application to become ABANDONED (35 U.S.C. § 133).		
Status	· · · · · · · · · · · · · · · · · · ·			
1) 🗆		·		
2a) 🗌	This action is FINAL . 2b) 💢 This act	ion is non-final.		
	closed in accordance with the practice under Ex pair	except for formal matters, prosecution as to the merits is arte Quayle, 1935 C.D. 11; 453 O.G. 213.		
	tion of Claims			
4) 💢	Claim(s) 1-42	is/are pending in the application.		
4	a) Of the above, claim(s)	is/are withdrawn from consideration.		
5) 🗆	Claim(s)	is/are allowed.		
	Claim(s) 1-42			
	Claim(s)			
		are subject to restriction and/or election requirement.		
	tion Papers			
9) 💢	The specification is objected to by the Examiner.			
10)💢	The drawing(s) filed on is/are	e a) \square accepted or b) $oldsymbol{ol{ol}}}}}}}}}$		
	Applicant may not request that any objection to the d	Irawing(s) be held in abeyance. See 37 CFR 1.85(a).		
11)□	The proposed drawing correction filed on	is: a) □ approved b) □ disapproved by the Examiner.		
	If approved, corrected drawings are required in reply to	to this Office action.		
12)	The oath or declaration is objected to by the Exami	iner.		
	under 35 U.S.C. §§ 119 and 120			
	Acknowledgement is made of a claim for foreign pr	riority under 35 U.S.C. § 119(a)-(d) or (f).		
	☐ All b)☐ Some* c)☐ None of:			
	1. Certified copies of the priority documents hav			
	2. Certified copies of the priority documents hav			
	 Copies of the certified copies of the priority de application from the International Burea ee the attached detailed Office action for a list of the 			
14) 🗌	Acknowledgement is made of a claim for domestic			
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Attachm		priority under do drawn of the same of the		
	tice of References Cited (PTO-892)	4) Interview Summary (PTO-413) Paper No(s).		
2) Notice of Dreftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application (PTO-152)				
3) 💢 Inf	formation Disclosure Statement(s) (PTO-1449) Paper No(s)5	6) Other:		

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Walter W. Duft on 5-19-03.

2. The application has been amended as follows:

In claim 22 line 1, change "1" to --21--. In claim 23 line 1, change "2 to --22--. In claim 24 line 1, change "3" to --23--. In claim 25, line 1, change "3" to --23--. In claim 26, line 1, change "3" to --23--. In claim 27, line 1, change "2" to --22--. In claim 28, line 1, change "7" to --27--. In claim 29, line 1, change "1" to --21--. In claim 30, line 1, change "9" to --29--.

In claim 32 line 1, change "11" to --31--. In claim 33 line 1, change "12 to --32--. In claim 34 line 1, change "13" to --33--. In claim 35, line 1, change "13" to --33--. In claim 36, line 1, change "13" to --33--. In claim 37, line 1, change "12" to --32--. In claim 38, line 1, change "17" to --37--. In claim 39, line 1, change "11" to --31--. In claim 40, line 1, change "19" to --39--.

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DETAILED ACTION

Drawings

3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they

include the following reference sign(s) not mentioned in the description: step "b" of FIG 5, and

step "d" of FIG 9. A proposed drawing correction, corrected drawings, or amendment to the

specification to add the reference sign(s) in the description, are required in reply to the Office

action to avoid abandonment of the application. The objection to the drawings will not be held in

abeyance.

Specification

4. The disclosure is objected to because of the following informalities:

On page 8, lines 20 and 27, reference number 32 is used to reference a Message Center.

However, reference number 32 was previously used to describe an SGSN in FIG 1, see page 6

lines 22-31.

On page 12, line 5, change "an d" to --an--.

On page 23, line 1, HLR 122 is referred to by the reference number 112, which is

incorrect.

Appropriate correction is required.

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Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
- 6. Claims 1-4, 11-14, 21-24 and 31-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson, US Pat 6,400,942 in view of Hult, US Pat 5,822,700.

Claims 1 and 21: Hansson discloses a method for providing SMS (teleservice) messaging to mobile stations (10a et al) in a wireless network (8, col 3 line 55-col 4 line 21), comprising, at a network sending entity (SMSC 13), utilizing an indication of the maximum teleservice payload size that can be sent by the sending entity to the mobile stations (col 3 lines 1-11, col 4 lines 22-35) via network receiving entities (MSC) serving said mobile station (col 4 lines 36-62) to format the size of teleservice messages sent by the sending entity to the mobile station via said receiving entities (col 3 lines 11-14, col 4 lines 22-35, col 6 line 42-col 7 line 13).

Hansson fails to disclose that the network sending entity receives said indication (i.e. it is provided to it), implying that the indication is created or calculated at another site.

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Hult discloses an analogous invention, that is, a cellular system (FIG 1) wherein a switching center (30) may utilize a calculation (thus being utilizable) to determine a maximum size of a teleservice message (col 2 lines 38-65) based on an indication received from another entity in the system (col 3 lines 2-13 and line 56-col 4 line 13). The purpose of this is to allow the indication to be tailored to the system (col 1 lines 50-57), which improves bandwidth usage (col 2 lines 7-13).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Hansson by the teachings of Hult. Hansson discloses that bandwidth is an important commodity in a messaging cellular system, and that a maximum size for messages should be used to keep message traffic from overloading the system (col 1 lines 50-59). One of ordinary skill in the art would thus have been motivated to add Hult to Hansson by the teachings of Hult, where it is stated that providing a maximum SMS message size indication from the cellular network itself allows better messaging system control (col 1 lines 50-57, col 2 lines 7-10).

Claims 2 and 22: the combined invention of Hansson and Hult discloses an SMSC which receives an indication, as shown above, and Hult further discloses that the indication measurement system (40) is connected to the receiving entity (col 5 lines 46-51, FIG 1), one of ordinary skill in the art would understand the need to use the MSC to send the indication to the SMSC via the means connected to it, i.e. said MSC. Claims 3, 4, 23 and 24: as stated above regarding claim 2, the indication would be sent by the MSC, which is read as a switch.

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col 6 line 42-col 7 line 13).

Claims 11 and 31: Hansson discloses a system for providing SMS (teleservice) messaging to mobile stations (10a et al) in a wireless network (8, col 3 line 55-col 4 line 21), comprising, at a network sending entity (SMSC 13), means for utilizing an indication (thus being utilizable) of the maximum teleservice payload size that can be sent by the sending entity to the mobile stations (col 3 lines 1-11, col 4 lines 22-35) via network receiving entities (MSC) serving said mobile station (col 4 lines 36-62) to format the size of teleservice messages sent by the

Hansson fails to disclose that the network sending entity receives said indication, implying that the indication is created or calculated at another site.

sending entity to the mobile station via said receiving entities (col 3 lines 11-14, col 4 lines 22-35,

Hult discloses an analogous invention, that is, a cellular system (FIG 1) wherein a switching center (30) may utilize a calculation to determine a maximum size of a teleservice message (col 2 lines 38-65) based on an indication received from another entity in the system (col 3 lines 2-13 and line 56-col 4 line 13). The purpose of this is to allow the indication to be tailored to the system (col 1 lines 50-57), which improves bandwidth usage (col 2 lines 7-13).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Hansson by the teachings of Hult. Hansson discloses that bandwidth is an important commodity in a messaging cellular system, and that a maximum size for messages should be used to keep message traffic from overloading the system (col 1 lines 50-59). One of ordinary skill in the art would thus have been motivated to add Hult to Hansson by the teachings

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of Hult, where it is stated that providing a maximum SMS message size indication from the cellular network itself allows better messaging system control (col 1 lines 50-57, col 2 lines 7-10).

Claims 12 and 32: the combined invention of Hansson and Hult discloses an SMSC which receives an indication, as shown above, and Hult further discloses that the indication measurement system (40) is connected to the receiving entity (col 5 lines 46-51, FIG 1), one of ordinary skill in the art would understand the need to use the MSC to send the indication to the SMSC via the means connected to it, i.e. said MSC. Claims 13, 14, 33 and 34: as stated above regarding claim 2, the indication would be sent by the MSC, which is read as a switch.

7. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult as applied to claim 3 above, and further in view of Farris, US Pat 5,805,997.

While disclosing applicant's invention of claim 3 as shown above, Hansson in view of Hult fails to disclose that the switch may be an MDIS.

Farris discloses, in an analogous art, that is a mobile communications messaging system (FIG 3, col 11 line 49-col 12 line 41) that in a CDPD messaging system a switch (1003) serving base stations (1001) like the MSC of Hansson in view of Hult may have the properties of an MDIS (col 12 line 41-col 13 line 24).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Hansson in view of Hult to use the functions of an MDIS in the switch. This would have been motivated by the teachings of Farris, where it is stated that the MDIS allows

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CDPD messaging in the system (col 12 lines 57-67), thus said modification would allow Hansson

in view of Hult to operate with CDPD, a popular messaging system.

8. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of

Hult as applied to claim 3 above, and further in view of Einola, US Pat 6,434,393.

While disclosing applicant's invention of claim 3 as shown above, Hansson in view of Hult

fails to disclose that the switch may be a SGSN.

Einola discloses, in an analogous art, that is a mobile communications messaging system

(FIG 1, col 4 lines 30-62) that in a GSM messaging system using GPRS a switch (4) serving base

stations (3) like the MSC of Hansson in view of Hult may have the properties of a SGSN (col 9

line 66-col 10 line 7).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the

invention to modify Hansson in view of Hult to use the functions of a SGSN in the switch. This

would have been motivated by the teachings of Einola, where it is stated that the SGSN allows

messaging in future GSM system, thus said modification would allow Hansson in view of Hult to

operate using GSM, a popular cellular system.

9. Claims 7 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in

view of Hult as applied to claim 2 above, and further in view of Ross et al, US Pat 6,263,212.

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While Hult further discloses an HLR database (32) which is associated with the mobile stations since it stores information regarding said stations, Hansson in view of Hult fails to disclose the use of said database for routing the indication to the message center sending entity. Hult does discloses that the message may be routed to the appropriate MSC by first utilizing the HLR of the network to find said appropriate MSC (col 4 line 66-col 5 line 31).

Ross discloses an analogous art, that is, a cellular messaging system (FIG 2) using a sending entity (50) connected to an HLR (52), which further utilizes a database which may contain data regarding the maximum message size for a particular MSC (col 10 lines 16-65). This allows the MC to get the data more directly, rather than go through the extra steps of finding the particular MSC and contacting it only to find that the message must be returned to the MC to be reformatted. Thus it would have been obvious to one of ordinary skill in the art to use a database such as that suggested by Ross in the method of Hansson in view of Hult, to send the indication information to the SMSC, as it would avoid the aforementioned extra steps. Further, one of ordinary skill in the art would also have recognized that by utilizing the HLR for storing said data, which already contains large amounts of network data, this step could be performed with less steps and save time and network usage, as the MC would have to interrogate the HLR anyway in order to determine the MSC and thus it's corresponding payload (Ross col 5 lines 44-58).

10. Claims 9 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult as applied to claim 1 above, and further in view of Ross et al.

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While Hult further discloses an HLR database (32) which is associated with the mobile stations since it stores information regarding said stations, Hansson in view of Hult fails to disclose the use of said database for routing the indication to the message center sending entity, or sending the indication as a parameter in a standard registration message either to database or to the MC. Hult does discloses that the message may be routed to the appropriate MSC by first utilizing the HLR of the network to find said appropriate MSC (col 4 line 66-col 5 line 31).

Ross discloses an analogous art, that is, a cellular messaging system (FIG 2) using a sending entity (50) connected to an HLR (52), which further utilizes a database which may contain data regarding the maximum message size for a particular MSC (col 10 lines 16-65). This allows the MC to get the data more directly, rather than go through the extra steps of finding the particular MSC and contacting it only to find that the message must be returned to the MC to be reformatted. Thus it would have been obvious to one of ordinary skill in the art to use a database such as that suggested by Ross in the method of Hansson in view of Hult, to send the indication information to the SMSC, as it would avoid the aforementioned extra steps. Further, one of ordinary skill in the art would also have recognized that by utilizing the HLR for storing said data, which already contains large amounts of network data, this step could be performed with less steps and save time and network usage, as the MC would have to interrogate the HLR anyway in order to determine the MSC and thus it's corresponding payload (Ross col 5 lines 44-58). Lastly, since there would be an inherent message exchange between the MSC and the database, and the database and the MC, prior to having the indication at the MC, such is read as a standard

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registration message parameter by the examiner. As such, the combined invention of Hansson in view of Hult and Ross would inhernetly utilize such a message parameter to communicate the indication from the MSC to the HLR and then to the MC.

11. Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult as applied to claim 13 above, and further in view of Farris.

Regarding claim 15, which is dependent upon claim 13, please see the rejection of method claim 5 above, which corresponds to system claim 15.

12. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult as applied to claim 13 above, and further in view of Einola.

Regarding claim 16, which is dependent upon claim 13, please see the rejection of method claim 6 above, which corresponds to system claim 16.

13. Claims 17 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult as applied to claim 12 above, and further in view of Ross et al.

While Hult further discloses an HLR database (32) which is associated with the mobile stations since it stores information regarding said stations, Hansson in view of Hult fails to disclose the use of said database for routing the indication to the message center sending entity. Hult does discloses that the message may be routed to the appropriate MSC by first utilizing the HLR of the network to find said appropriate MSC (col 4 line 66-col 5 line 31).

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Ross discloses an analogous art, that is, a cellular messaging system (FIG 2) using a sending entity (50) connected to an HLR (52), which further utilizes a database which may contain data regarding the maximum message size for a particular MSC (col 10 lines 16-65). This allows the MC to get the data more directly, rather than go through the extra steps of finding the particular MSC and contacting it only to find that the message must be returned to the MC to be reformatted. Thus it would have been obvious to one of ordinary skill in the art to use a database such as that suggested by Ross in the method of Hansson in view of Hult, to send the indication information to the SMSC, as it would avoid the aforementioned extra steps. Further, one of ordinary skill in the art would also have recognized that by utilizing the HLR for storing said data, which already contains large amounts of network data, this step could be performed with less steps and save time and network usage, as the MC would have to interrogate the HLR anyway in order to determine the MSC and thus it's corresponding payload (Ross col 5 lines 44-58).

14. Claims 19 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult as applied to claim 11 above, and further in view of Ross et al.

While Hult further discloses an HLR database (32) which is associated with the mobile stations since it stores information regarding said stations, Hansson in view of Hult fails to disclose the use of said database for routing the indication to the message center sending entity, or sending the indication as a parameter in a standard registration message either to to database or to

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the MC. Hult does discloses that the message may be routed to the appropriate MSC by first utilizing the HLR of the network to find said appropriate MSC (col 4 line 66-col 5 line 31).

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Ross discloses an analogous art, that is, a cellular messaging system (FIG 2) using a sending entity (50) connected to an HLR (52), which further utilizes a database which may contain data regarding the maximum message size for a particular MSC (col 10 lines 16-65). This allows the MC to get the data more directly, rather than go through the extra steps of finding the particular MSC and contacting it only to find that the message must be returned to the MC to be reformatted. Thus it would have been obvious to one of ordinary skill in the art to use a database such as that suggested by Ross in the method of Hansson in view of Hult, to send the indication information to the SMSC, as it would avoid the aforementioned extra steps. Further, one of ordinary skill in the art would also have recognized that by utilizing the HLR for storing said data. which already contains large amounts of network data, this step could be performed with less steps and save time and network usage, as the MC would have to interrogate the HLR anyway in order to determine the MSC and thus it's corresponding payload (Ross col 5 lines 44-58). Lastly, since there would be an inherent message exchange between the MSC and the database, and the database and the MC, prior to having the indication at the MC, such is read as a standard registration message parameter by the examiner. As such, the combined invention of Hansson in view of Hult and Ross would inherently utilize such a message parameter to communicate the indication from the MSC to the HLR and then to the MC.

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15. Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult as applied to claim 23 above, and further in view of Farris.

Regarding claim 25, which is dependent upon claim 23, please see the rejection of method claim 5 above.

16. Claim 26 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult as applied to claim 23 above, and further in view of Einola.

Regarding claim 26, which is dependent upon claim 23, please see the rejection of method claim 6 above.

17. Claims 27 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult as applied to claim 22 above, and further in view of Ross.

Regarding claims 27 and 28, which are dependent on claim 22, please see the rejection of corresponding method claims 7 and 8 above, respectively.

18. Claims 29 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult as applied to claim 21 above, and further in view of Ross.

Regarding claims 29 and 30, which are dependent on claim 21, please see the rejection of corresponding method claims 9 and 10 above, respectively.

19. Claim 35 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult as applied to claim 33 above, and further in view of Farris.

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Regarding claim 35, which is dependent upon claim 33, please see the rejection of method claim 5 above, which corresponds to system claim 35.

20. Claim 36 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult as applied to claim 33 above, and further in view of Einola.

Regarding claim 36, which is dependent upon claim 33, please see the rejection of method claim 6 above, which corresponds to system claim 36.

21. Claims 37 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult as applied to claim 32 above, and further in view of Ross.

Regarding claims 37 and 38, which are dependent on claim 32, please see the rejection of corresponding method claims 17 and 18 above, respectively.

22. Claims 39 and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult as applied to claim 31 above, and further in view of Ross.

Regarding claims 39 and 40, which are dependent on claim 31, please see the rejection of corresponding method claims 19 and 20 above, respectively.

23. Claims 41 and 42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hansson in view of Hult and Ross.

Hansson discloses a method for providing SMS (teleservice) messaging to mobile stations (10a et al) in a wireless network (8, col 3 line 55-col 4 line 21), comprising, at a network sending

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entity (SMSC 13), utilizing an indication of the maximum teleservice payload size that can be sent by the sending entity to the mobile stations (col 3 lines 1-11, col 4 lines 22-35) via network receiving entities (MSC) serving said mobile station (col 4 lines 36-62) to format the size of teleservice messages sent by the sending entity to the mobile station via said receiving entities (col 3 lines 11-14, col 4 lines 22-35, col 6 line 42-col 7 line 13).

Hansson fails to disclose that the network sending entity receives said indication (i.e. it is provided to it), implying that the indication is created or calculated at another site, or the use of a database for routing the indication to the message center sending entity, or sending the indication as a parameter in a standard registration message either to to database or to the MC.

Hult discloses an analogous invention, that is, a cellular system (FIG 1) wherein a switching center (30) may utilize a calculation (thus being utilizable) to determine a maximum size of a teleservice message (col 2 lines 38-65) based on an indication received from another entity in the system (col 3 lines 2-13 and line 56-col 4 line 13). The purpose of this is to allow the indication to be tailored to the system (col 1 lines 50-57), which improves bandwidth usage (col 2 lines 7-13). Also, Hult further discloses an HLR database (32) which is associated with the mobile stations, which stores information regarding said stations, and that the message may be routed to the appropriate MSC by first utilizing the HLR of the network to find said appropriate MSC (col 4 line 66-col 5 line 31).

Ross discloses an analogous art, that is, a cellular messaging system (FIG 2) using a sending entity (50) connected to an HLR (52), which further utilizes a database which may

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contain data regarding the maximum message size for a particular MSC (col 10 lines 16-65). This allows the MC to get the data more directly, rather than go through the extra steps of finding the particular MSC and contacting it only to find that the message must be returned to the MC to be reformatted.

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Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Hansson by the teachings of Hult and Ross. Hansson discloses that bandwidth is an important commodity in a messaging cellular system, and that a maximum size for messages should be used to keep message traffic from overloading the system (col 1 lines 50-59). One of ordinary skill in the art would thus have been motivated to add Hult to Hansson by the teachings of Hult, where it is stated that providing a maximum SMS message size indication from the cellular network itself allows better messaging system control (col 1 lines 50-57, col 2 lines 7-10), as well as Ross, so as to send the indication information to the SMSC, as it would avoid the aforementioned extra steps.

Further, one of ordinary skill in the art would also have recognized that by utilizing the HLR for storing said data, which already contains large amounts of network data, this step could be performed with less steps and save time and network usage, as the MC would have to interrogate the HLR anyway in order to determine the MSC and thus it's corresponding payload (Ross col 5 lines 44-58). Lastly, since there would be an inherent message exchange between the MSC and the database, and the database and the MC, prior to having the indication at the MC, such is read as a standard registration message parameter by the examiner. As such, the combined

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invention of Hansson in view of Hult and Ross would inherently utilize such a message parameter to communicate the indication from the MSC to the HLR and then to the MC.

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Conclusion

24. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Alanara et al, Agarwal et al, and Liao discuss wireless group message handling.

Maxemchuk discusses message size handling in a packet-switched network.

25. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314, (for formal communications intended for entry)

Or:

(703) 872-9314 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington VA, sixth floor (receptionist).

26. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles Craver whose telephone number is (703) 305-3965.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin, can be reached on (703) 308-6739.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4700.

cc

C. Craver June 2, 2003 CHAPLES CRAYER
PATENT EXAMINER